

# JITTER BUFFER AND LOST-FRAME-RECOVERY INTERWORKING

## ABSTRACT OF THE DISCLOSURE

Method of processing a transmitted digital media data stream. A subsequent data element that follows an unreceived data element in the data stream is received. A parameter of the unreceived data element is estimated based on the received subsequent data element. In one embodiment, each received data element is held in a buffer until a prescribed playout deadline, at which time the data element is released for playout. A loss rate at which data elements in the data stream are not received by their respective playout deadlines is monitored. A time interval extending from the time a data element is sent by a transmitting end to the playout deadline is adjusted based upon the loss rate.

1. A method of processing a transmitted digital media data stream, comprising:  
receiving a subsequent data element that follows an unreceived data element in the data stream;  
estimating a parameter of the unreceived data element based on the received subsequent data element;  
in one embodiment, holding each received data element in a buffer until a prescribed playout deadline, at which time the data element is released for playout;  
monitoring a loss rate at which data elements in the data stream are not received by their respective playout deadlines;  
adjusting a time interval extending from the time a data element is sent by a transmitting end to the playout deadline based upon the loss rate.